

ABSTRACT OF THE DISCLOSURE

A high torsional force structure for a ratchet device is disclosed. The structure comprises a head portion at one end of the body of the structure and the head portion having a cavity and a ratchet block slot having corresponding
5 tool head and ratchet block with ratchet teeth and the ratchet block engaged with the tool head and the tool head being free to rotate, characterized in that the external edge of the tool head is provided with rows of ratchet teeth and one lateral edge of the ratchet block is formed with ratchet teeth corresponding to the ratchet teeth of the tool head, and the two ends of the ratchet blocks are
10 respectively protruded out with an engaging portion of conic shape, and the two engaging portions are adapted for an inclined space formed by the two lateral sides of the tool head and the ratchet slots, and when any side of the ratchet block engages with the tool head, the lateral edge at the rear side of the engaging portion fully adhered onto the corresponding face of the ratchet slot,
15 and when the tool head rotates, the engaging portion of the ratchet block is tightened by the inclined space.